AVERATEC™

mobility without boundaries

2300 Series - Windows Vista™ User Manual

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Chapter 1

Introduction

Getting Started

Congratulations on your purchase of the Averatec 2300 Series notebook computer! Your new notebook features the most innovative advances in portable computing technology. It combines state-of-the-art ergonomics with sophisticated architecture to provide you with a personal computer that is compact, powerful, and easy to use. Designed for a wide range of general, business, and personal productivity applications, the notebook is an ideal choice for use in the office, at home, and on the road.

For maximum expandability without compromising portability, the notebook accommodates a number of modules, including Optical Drive, three USB ports, one PCI Express card slot and one 4-in-1 card slot. The high capacity hard disk drive provides you with plenty of storage space for multimedia files and applications.

This Manual contains all the information you need to set up and use your new notebook. It describes all the features of the notebook in an easy-to-read, yet thorough manner.

Inventory

This computer system is designed for years of productive and pleasurable computing. Use this section to keep details of your purchase. This information will be required should you need to make repairs to your notebook during the warranty period. Update this section when you add new options.

DATE OF PURCHASE:

PLACE OF PURCHASE:

DEALER'S NAME:

DEALER'S ADDRESS:

TELEPHONE:

E-MAIL ADDRESS/WWW:

CONTACT PERSON:

MODEL NUMBER:

SERIAL NUMBER:

BIOS VERSION:

The serial number is on the label (with a bar code) on the bottom side of the computer. Press the **F2** key to enter BIOS setup screen.

Safety and Maintenance

You can use your computer under a wide range of environmental conditions. However, to ensure long use and continued high performance, consider the following factors when setting up your computer:

- Follow all warnings and instructions noted in this documentation and in the Windows Help program.

- The first time you use your computer, we recommend that you carefully read the Making Connections section of this manual and initialize the battery to ensure optimum battery performance.

- Unplug the computer from the power outlet before cleaning. Use a damp cloth for cleaning. Do not use aerosols, solvents, or strong detergents.

- Do not use the computer near open water or other liquids. Never spill liquid onto the computer.

- Do not place the computer in an unstable location where it might slip or be knocked over. Serious damage could result from a fall.

- Slots and openings in the system cabinet are for ventilation purposes. Do not block or cover these openings or the system could overheat. Do not use or store the computer near a source of heat or dust.

- On the base or rear panel of this notebook, there is a label with information on the power requirements of this system. These requirements must be followed. If you are unsure of your local power supply, consult your dealer or local Power Company.

- Do not step or place anything on the power cord.

- If you use the computer with an extension cord, ensure that the total ampere ratings of all the devices sharing the extension do not exceed the rating of the extension cord or the rating of the wall outlet.

- Never push foreign objects into the computer through any of the slots or openings. Dangerous voltages are present, which could cause electric shock or fire, or damage sensitive components.

- For best results, use a power strip with a built-in surge protector. Do not use inferior extension cords as this may result in damage to your computer.

- Set the computer on a flat, stable surface. To prevent damage to the computer's hard disk drive, avoid using the computer where it will be exposed to strong vibration.

Checklists

After opening the package, carefully inspect the contents. If any of the items are missing or appear damaged, contact your dealer. The shipping carton should contain the following:

- Notebook computer
- Battery
- AC adapter with power cord
- Image recovery disk
- Telephone cord

Features

High Capacity Hard Disk Drive

The computer has a high capacity hard disk drive, to store your favorite programs and large multimedia files.

Built-in Modem/LAN Capability

A built-in 56k modem and 10/100 Mbps Ethernet port allows you to access the Internet or a local area network (LAN).

WLAN Capability

The system includes 802.11b/g Wireless LAN.

LCD

Your computer has an easy-to-view WXGA LCD panel.

Built-in Stereo Speakers

The stereo speakers enable you to run a variety of multimedia applications.

Convenient Audio Control

The conveniently located audio control knob enables you to easily adjust the volume to the stereo speakers.

Function Keys

Function keys give you easy control of power management, volume and your monitor.

Power Saving Mode

This key is located next to the Power-On button and is noted by an "S" symbol. Turning it on will adjust CPU speed to conserve battery life.

Where to Look For Information

About Your Computer

This User's Manual describes the key elements of your computer. New users can find a simple step-by-step orientation in the Quick Start section of this chapter.

About Windows

Windows Help can be found by pressing the **F1** key.

Quick Start

Turning on the Computer for the First Time

1. Connect the AC adapter power cord to the AC adapter.

2. Connect the AC adapter to the DC power port on the right side of your computer.

3. Connect the AC adapter power cord to an AC outlet.

4. Open the LCD panel to a comfortable viewing angle.

5. Press the power button to turn on the power.

Note: The battery is not fully charged. Allow your battery to fully charge before using it (i.e., before disconnecting AC power). Calibrating the battery before use is also highly recommended. Refer to Chapter 5, *Power Management*, for further information.

Use the touchpad to move the cursor on the screen. Move your finger across the pad to control the cursor, and press the right and left buttons beneath with your thumb. These buttons have the same functions as the right and left buttons of a standard mouse. You can also click or double-click by tapping on the touchpad.

Adjusting the Volume

You can adjust the volume with hot key combination as below:

Fn + F8 decreases the volume

Fn + F9 increases the volume

Fn + F10 Mute the volume

Alternatively, you can adjust the volume with the Windows volume control applet located on the taskbar.

Adjusting the Brightness

Use the following hot key combinations to adjust the LCD panel brightness:

Fn + F6 decreases the brightness

Fn + F7 increases the brightness

Turning off Your Computer

Turning off the computer properly is important to maintaining your computer.

1. On the Start menu, click the **right arrow button**

2. Click the **right arrow button**, select **Shut Down** from the menu screen.

If you are going to be away from the computer for a short period, there are ways of conserving power without shutting down the system. See Chapter 5, *Battery Power Plans*, for details.

Warning: Shutting off the computer improperly may result in data loss.

Tips for New Owners

Take responsibility for backing up your data

Back up files often. Users who need to manage large amounts of data may wish to use backup devices such USB drives. If you use your notebook as a networked workstation with system backup, talk to the system administrator about backup procedures for your notebook.

Don't leave passwords anywhere on your notebook or carrying case

Be careful when placing your notebook on an airport security conveyor belt

In most airports, security conveyor belts are safe for computers. If you are not sure, ask the security staff. You should keep a close eye on your computer. When you are in a hurry, make sure that you walk away with the correct notebook computer!

Tape your business card to the notebook and accessories

In the workplace, notebooks and accessories may often look exactly alike, leading to equipment mix-ups. Prevent such mix-ups by placing your name on your equipment.

Develop good ergonomic work habits

The science of ergonomics studies the relationship between health and a suitable work environment. For more information on ergonomics, contact your nearest computer bookstore, or local library. The Internet also has information on this and other related subjects.

Never take the notebook anywhere without the carrying case

A broken screen or case can be costly to repair. Prevent accidents by carrying the computer in a suitable carrying case.

Consider using a lock

For added security, consider purchasing a Kensington lock to put into the Kensington lock hole on the back side of your computer (see Chapter 2, *Back View*). Use the Kensington lock to secure the computer to a desk or table.

Note: Using a computer for extended periods of time with a poor workstation setup and incorrect work habits can cause health problems.

Chapter 2

Getting Started

Hardware and Software

This chapter introduces the different components and controls of your notebook computer, including the hardware components, the software, and the audio and video systems.
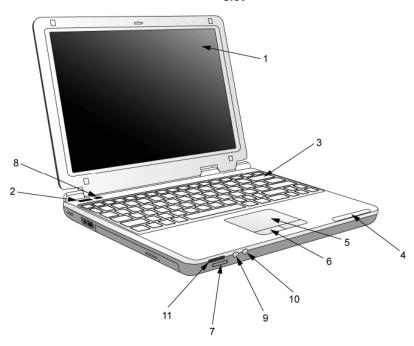
Getting Started

Before you begin using your computer, read this chapter to familiarize yourself with the main components installed in the system. Lift the LCD screen to open up the computer.
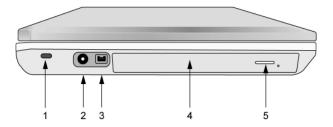
Front View

1. **LCD panel**	7. **Wireless LAN switch**
2. **Power button**	8. **Power Saving mode button**
3. **Keyboard**	
4. **Status indicators**	9. **Microphone-in jack**
5. **Touchpad**	10. **Audio-out jack for headphones**
6. **Touchpad buttons**	11. **MS/MMC/SD/MS Pro card slot**
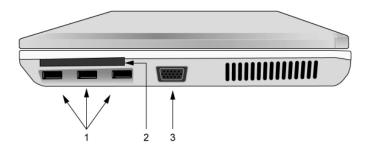
Left View
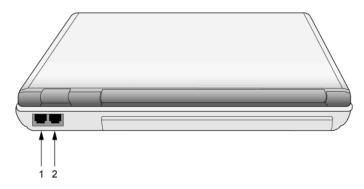
1. **Kensington key lock hole**
2. **DC power in jack**
3. **IEEE 1394 FireWire port**
4. **Optical drive**
5. **Optical drive eject button**

Right View

1. **USB 2.0 ports**
2. **PCI Express card slot**
3. **VGA external video display port**

Back View
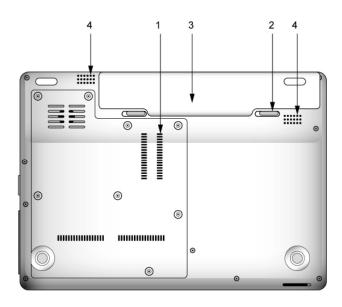
1. **Fax/modem RJ-11 jack**
2. **LAN RJ-45 jack**

Bottom View

1. **Ventilation slots**
2. **Battery release latch**
3. **Battery**
4. **Speakers**

LED Status Indicators
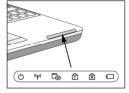
The status indicators in the upper left corner of the keyboard light up when a particular function of the computer is active. Each indicator is marked with a symbol.

⊙	**DVD/CD Drive**	The computer is reading information from the optical drive.
1	**Number-Lock**	The keyboard is in Num-Lock mode.
A	**Caps-Lock**	The keyboard is in Caps-Lock mode.

Power Indicators

The power indicators show which power source the system is using. The power indicators remain active and viewable even when the LCD panel is closed.

Icon	Light	Description
⏻	Blue	Power is on and the AC adapter is in use
	Flash blue	Power is in suspend mode
((ᵧ))	Blue	Wireless LAN is in use
▯	Green	Fully Charged
	Orange	Battery is charging
	Flashing Orange	Low battery

Function Keys

Hold the Fn key while pressing the numbered function key.

Function key	Description
Fn + F3	Toggles display on/off
Fn + F4	Suspend to RAM/HDD
Fn + F5	Toggles between LCD/CRT displays
Fn + F6	Decreases LCD brightness
Fn + F7	Increases LCD brightness
Fn + F8	Decreases Volume
Fn + F9	Increases Volume
Fn + F10	Mute Volume

Numeric Keypad

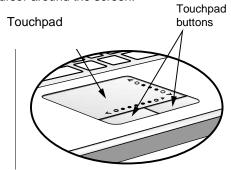The embedded numeric keypad consists of ten keys that make number intensive input more convenient. Press <NumLock> to enable or disable the numeric keypad.

Touchpad

The touchpad is a pressure sensitive pointing device that provides all the features of a two-button mouse. Its primary function is to move the cursor around the screen.

Touchpad   Touchpad
                            buttons

The instructions listed below describe how to use the touchpad.

1. First, place your fingers on the keyboard in the normal typing position. The touchpad is easily accessible by moving either your left or right thumb off the space bar and on to the touchpad.

2. Gently move your thumb across the pressure-sensitive touchpad in the direction you want the cursor to move. The pad detects the change in pressure and moves the cursor in the corresponding direction.

3. The touchpad offers another method of making selections in a software program. It is called *double-tapping*. This function corresponds to double-clicking with a mouse. Once the cursor has been moved to the object you want to select, *lightly* double-tap the pressure sensitive touchpad. This double-tapping on the touchpad will select the desired item and prompt the software to perform the related operation.

4. The buttons located directly below the touchpad are the same in function as those on a two-buttoned mouse. Clicking these buttons makes selections, drags objects, or performs a variety of other functions depending on the software. To select an object, first move the pointer over the object you want to select, and then press the left button one time. The functions of these buttons are software specific.

5. *Double-clicking* is a common technique for selecting objects or launching programs from icons. Once you have moved the pointer over the object you wish to select, rapidly press the left button two times. This action is commonly referred to as "double-clicking" an object.

Dragging

There are two ways to drag:

Move the pointer to the desired location then press down the left button. While still holding down the left button, move the pointer to the desired location. Release the button.

Move the pointer to the desired location. Tap the touchpad twice quickly as if you were double-clicking, however do not remove your finger after the second tap. Move the cursor to the desired location. Lift your finger to finish dragging.

Adjust the touchpad settings by selecting Settings → Control Panel → Mouse → Buttons. These settings allow you to change the orientation of the touchpad from right-handed to left-handed, and fine tune the pointer movement and timing of clicks.

Touchpad Precautions

The Touchpad is a pressure-sensitive device. If not properly cared for, it can be easily damaged. Please take note of the following precautions.

Make sure the touchpad does not come into contact with dirt, liquids or grease.

Do not touch the touchpad if your fingers are dirty.

Do not rest heavy objects on the touchpad or the touchpad buttons.

Scrolling lines

If you are scrolling through a document, you may find that using the scrolling line is more restful to your hand than holding down a mouse button. The scrolling line is located on the touchpad.

The Optical Drive

Your computer comes with a pre-installed Optical drive. The optical drive can read or write both DVDs and CDs. Your notebook identifies the drive with the letter following the hard drive letter. If your hard drive is D, then the optical drive will be E.

Inserting a Disk

1. Press the button on the front of the drive to open the disk tray and pull the tray open.

2. Place the disk on the tray, label side up.

3. Place the disk on the central spindle and press gently until the disk clicks into place.

4. Slide back the tray until it clicks shut.

Removing a Disk

1. Make sure the computer is not accessing the optical drive.

2. Press the eject button and pull the tray all the way out.

3. Pick up the CD by the edges and remove the disk from the tray. Push the tray into the computer until it closes fully.

Warning: When the computer is reading from the CD/DVD drive, the indicator light for the drive will flash on. Do not attempt to remove a disk while this light is active.

Precautions for Handling DVD and CD Discs

Keep these precautions in mind when handling DVD and CD discs.

Always hold the disc by the edges; avoid touching the surface of the disc.

Use a clean, dry, cloth to remove dust, smudges, or fingerprints. Wipe from the center outward.

Do not write on the surface of the disc.

Extremes in temperature may damage discs. Store discs in a cool dry place.
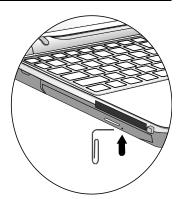
Do not use benzene, thinners, or cleaners with detergent. Only use optical cleaning kits.

Do not bend or drop the discs.

Do not place objects on top of discs.

Warning: Do not insert any foreign objects into the disc tray. Do not force the tray to open or close manually. When not in use, keep the tray closed to prevent dust or dirt from entering the drive unit. If you experience difficulty when removing a CD disc, stretch a paper clip (or use a pin or a thin metal rod) and insert it into the emergency eject hole located on the front panel:

The CD disk tray should eject immediately. This procedure can also be used to remove a CD from the drive when the notebook is powered off.

Connecting the Printer

To connect a printer to your notebook via the USB port, use the supplied USB to printer adapter cable typically supplied by most printer manufacturers.

The PCI Express Card Slot

The PCI Express card slot can be used as an interface between your computer and a variety of communications devices, such as network adapters, SCSI adapters, fax/modems, or provide additional data storage capacity.

*PLEASE NOTE THAT THIS SLOT DOES NOT SUPPORT PCMCIA CARDS

Installing a Card

1. The top side of a PCI Express card is usually identified with a label. Insert the card into the slot with the label side up and the edge with the contacts going in first.

Slide the card into the slot. Push the PCI Express card in fully to eject.

2. Insert the card into the slot. You will feel some spring tension as the card slides into the back of the slot.

3. PCI Express cards require drivers, or a program that allows the operating system to use a specific device. Many drivers are included with Windows, but if not, you will be prompted to install the driver included with your card.

4. The computer will beep twice to indicate successful installation. A single beep means that there was a problem recognizing the card.

Note: Please read the instructions included with individual PCI cards. Some cards may be inserted with power on, while others require that the computer be turned off.

Removing a Card

1. To eject the card, press the card in fully and release.

The Graphics System

Your computer has a high-performance graphics system, which can easily handle the demands of today's multimedia computing.

Screen Controls

Brightness

Function keys can increase or decrease the brightness of the monitor.

<Fn> + <F6> decreases the LCD panel brightness

<Fn> + <F7> increases the LCD panel brightness

Resolution

1. Click **Start Logo** → **Control Panel** → **Appearance and Personalization** → **Personalization** → **Adjust Screen Resolution**. Click the **Settings** tab. The dialog box indicates the monitor resolution.

2. Use the slide bar to adjust the resolution. Normally, you should use the resolution the LCD or monitor was designed for.

Note: Using a lower resolution than the screen was designed for will reduce the area of the display. Using the computer in DOS mode may produce the same effect, because it uses a 640 by 480 resolution by default. You can stretch these low resolution displays to full screen size by selecting either the Expanded Display or Display Expansion Mode features in the BIOS utility. However, the stretching may cause distortion, especially to fonts.

High Resolution with an external monitor

Higher resolution modes may be used, as long as the monitor supports them.

Connecting to an External Monitor

The notebook has a VGA monitor port to connect your computer to an external monitor.

Using the VGA monitor port

1. Locate the 15-pin VGA monitor port on the right side of your notebook and connect the video signal cable from the external monitor (or the VGA adapter) to the monitor port.

2. Connect the power cable from the external monitor to a power outlet and turn on the monitor.

3. On your notebook, click the right touchpad button on the Windows desktop to open the desktop menu. Click **Personalize → Display Settings** to open the Display Settings window.

4. In the Display Settings window, adjustments to screen resolution can be made.

5. Under Display Settings, you can select the appropriate options to change the display to an external monitor.

6. Adjustments to color can be made by clicking **Advanced Settings → Color Management**.

Tip: To ensure trouble-free video output, the first time you use an external monitor, change the output in the Display Settings dialog box. After successfully switching modes, you may use the video function keys.

Note: Light or dark dots may appear on the LCD due to technical limitations of LCD manufacturing. This will not effect normal operation of the LCD.

Communication Components

This system provides powerful communication functions, including built-in Fax/Modem and PCI Express card slot.

Fax/Modem

A phone jack on the left side of the computer allows you to connect to the Internet to send and receive data. When used with fax software, it can be used as a fax. When using this function, first plug the phone cord into the jack.

Attention:

When using the data communications function, please do not plug the phone cord into the ISDN or PBX jack to avoid an electrical surge that will cause the MDC module to burn.

Information about the Wireless LAN button

Wireless LAN Switch

Your notebook will search for the
device and will display an icon
on the Windows task bar.

Built-in Wireless Local Area Network

The built-in Wireless Local Area Network (WLAN) interface card can
provide a quick network access without using cables. The interface card
adopts the IEEE 802.11 protocol and uses the 2.4 GHz ISM electric wave
frequency band as the transmission interface to set up the communications
between the host computer and other computers.

The way of processing communications through the WLAN interface card is
the same as that through an Ethernet interface card. The "Configuration
Tool" is a Window application program. If users have a computer equipped
with the WLAN interface card, then users can use it to set up the interface
card and show the current configuration and status.
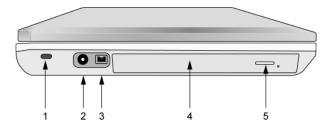
Chapter 3

Making Connections

Making Connections

Your computer is equipped with a full array of ports and connectors, including standard input/output (I/O) ports for quickly and easily adding peripheral devices such as printers, keyboards, and mice. Refer to documentation included with individual devices for details on connecting these devices to your computer. Along with the standard ports found on most computers, your computer also includes an IEEE 1394 FireWire port and modem and LAN ports, all offering advanced communications technology.

Left Side Connectors

1.   Kensington Key Lock

Your computer includes a Kensington key lock hole to be used with a standard Kensington key lock. You can connect the notebook to a large object with the Kensington key lock to prevent theft of your notebook. See the documentation that comes with your Kensington lock for more information.

2.   DC in jack

Connect the DC power cable from the AC adapter to this jack.

3.   FireWire / IEEE 1394 / 1394a Port

This is a high-speed serial data port. You may connect any FireWire-compatible device to this port.
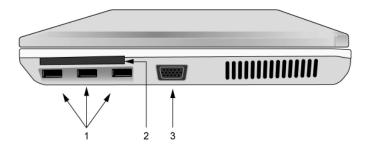
4. Optical Drive

Your computer comes with a built-in Dual Layer DVD Burner. You may view DVDs as well as write to CD-R, CD-RW, DVD-R, DVD-RW, DVD+RW, DVD+R and Dual Layer discs.

5. Disk Eject Button

Press the eject button to eject the disk tray. The manual eject keyhole is located next to it and allows you to manually eject a jammed disc.

Right Side Connectors

1. USB 2.0 (Universal Serial Bus) Ports

The Universal Serial Bus (USB) is the latest standard for attaching monitors, input devices, scanners, and other devices to a PC. USB devices can be chained together on a single cable.
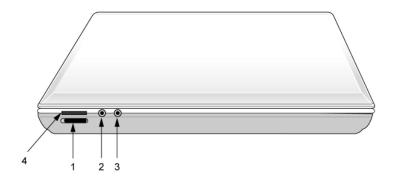
2. PCI Express 34/54 Card Slot

This slot is where a Type II PCI Express Card is inserted.

3. VGA Out (External Video) Port

The 15-pin VGA port can be used to connect your computer to an external monitor. (See the Graphics System in chapter 2 for more information.)

Front Side Connectors

1. MS Pro/MS/MMC/SD 4-in-1 Card reader slot

The 4-in-1 card reader slot is specially used for a device with a MS Pro/MS/MMC/SD interface card. Insert the card into 4-in-1 card reader slot securely for device access.

2. Microphone-in Jack

Connect a microphone to this jack to record.
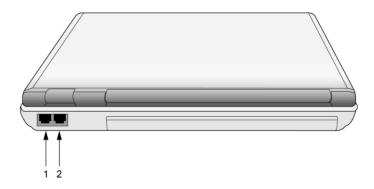
3. Audio-out Jack

Connect a stereo headset or external speakers to this jack to listen to multimedia.

4. Wireless LAN On/Off switch

Built-in wireless IEEE 802.11b/g LAN card for accessing the Internet.

Back View

1. Fax/modem RJ-11 Jack

The fax/modem can transmit data using the 56 Kbps V.90 protocol, and send and receive faxes at 14.4 Kbps. In some countries, local regulations may not permit the use of the fax/modem designed for this system. In this case, you may use an add-on modem.

2. LAN RJ-45 Jack

With the built-in Ethernet LAN adapter, you can easily make LAN connections. Connection speed is up to 100 Mbps.

Warning: Plug your modem into an analog telephone jack only. Most homes use analog lines. Do not use digital lines, such as the PBX and ISDN systems found in many offices. Digital lines may damage your modem.

Chapter 4

System Software

System Recovery Software

To initiate system recovery, insert your Recovery DVD and follow the on-screen instructions.

Chapter 5

Power Management

Power Management

Battery Calibration

The first time you use a battery, you should calibrate it. The calibration process empties and charges the battery one time. This allows the Windows battery gauge to accurately monitor battery status. To calibrate a battery, follow these steps:

1.   Plug in the AC adapter.

2.   Restart the computer and when the startup screen appears, press the **F2** key to enter the BIOS Setup Utility.

3.   In the BIOS Setup Utility, select **Advance settings**; choose **Battery Calibration**, then press enter.

4.   Press <**OK**> in the Battery Auto Calibration dialog box to begin the battery calibration.

Execute Battery Calibration function?

[OK]   **[Cancel]**

Battery Calibration will take from 4 to 8 hours, depending on how much power the battery may already contain.

Note: For optimum performance, we recommend calibrating the battery again every three months. Each time you charge and discharge a battery, it loses a tiny part of its storage capacity, so that, over time, it will store less than its potential charge. Similarly, if you do not use the battery for a few days, it will slowly self-discharge, and when it is recharged, it will hold less than 100% of the potential charge.

Monitoring Battery Power

There are two ways to monitor how much power the battery has left.

1. Click **Start → Control Panel → Mobile PC → Power Options**.

2. Moving the cursor to the battery icon on the taskbar is the simplest way to check on battery power status.

If you do not see the battery icon, enable it in Start → Control Panel → Power Options. Choose the Advanced tab and click "**Always show icon on the taskbar**."

Battery Power Plans

How your computer responds to a low battery condition is set under Start → Control Panel → Mobile PC → Power Options.

Power plans can be configured to suit your individual needs. Select a power plan by clicking on **Start → Control Panel → Mobile PC → Power Options**.

> **Warning:** When battery power is low, the Notebook will display a warning on the screen. Take immediate action, such as saving files or connecting to the AC adapter, or data may be lost.

When the computer alerts you that the battery is low, immediately do one of the following:

- Connect the AC power adapter; or
- Save your work, turn off the computer and replace the discharged battery with a charged battery (See *Changing the Battery* below).

Do not restart the computer until you have connected to an AC adapter, or replaced the discharged battery with a charged battery.

Battery Charging

When you use the AC adapter to connect your Notebook to a power outlet, the internal battery will automatically begin to recharge. While the battery is charging, the Battery Charge icon on the Indicator panel will be active. When the battery is fully charged, the Battery Charge icon will turn off.

If your computer is turned off or standby mode, a fully discharged battery will take about three hours to recharge.
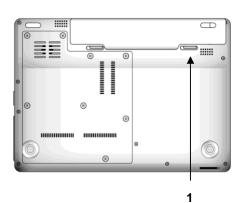
When to Replace the Battery

Over time, the battery's capacity gradually decreases. We recommend that you replace your battery when you notice that it begins to store significantly less charge.

Changing the Battery

Change the main battery pack as follows:

1. Turn off the computer.
2. Close the screen cover and turn the computer over.
3. Slide the side battery latch (1) away from the battery. Continue to hold it until the battery is removed.
4. Remove the battery.
5. Make sure the replacement battery is properly oriented. Assure that latch (1) is in the unlock position. Insert the battery into the battery compartment making sure tabs are inserted first. Pivot battery into lock position.

1

Heat Considerations

The computer's processor has been specially designed to consume little power, and generates very little heat. However, working in a hot environment, or working for long periods may raise the temperature. Your computer takes the following steps to lower temperature:

1. The cooling fan will automatically turn on. You may feel air coming from a vent at the left side when this happens.

2. If the temperature continues to rise, processor activity will be reduced. You may notice a slight loss of performance when this happens.

Chapter 6

Using the BIOS Setup Utility

Using the BIOS Setup Utility

Your notebook has a BIOS setup utility which allows you to configure important system settings, including settings for various optional functions of the computer. This chapter explains how to use the BIOS setup utility.

BIOS Setup Menu

The BIOS setup Utility allows you to configure your computer's basic settings. When you turn your computer on, the system reads this information to initialize the hardware so that it can operate correctly. Use the BIOS setup utility to change your computer's start-up configuration. For example, you can change the security and power management routines of your system.

Starting the BIOS Setup Utility

You can only enter the BIOS setup utility as the computer is booting, that is between the time you turn on the computer and before the Windows interface appears. If your computer is already on, shut down your computer completely (power off) and restart it and then press the **F2** key to enter the setup utility.

Navigating and Entering Information in BIOS

Use the following keys to move between fields and to enter information:

← →	Select Screen
↑ ↓	Push the up and down arrow keys to move among selections, then press **Enter** to make a selection.
+ -	Change Option
Tab	Select Field
F1	General Help
F10	Save and Exit
ESC	Press **Esc** to exit any section. If you wish to exit the BIOS utility *without* saving changes, go to the main menu, then press **Esc.**

Users are allowed to enter new values to replace the default settings in certain fields, and the rest of the fields are specified by system default parameters and cannot be modified by users. Reverse the attribute of the main options and press the **Enter** key to enter into the submenu. Press the **Esc** key to return to the previous configuration page.

The Main Menu

BIOS SETUP UTILITY

Main Advanced Boot Security Exit	
System Overview	Use [ENTER] , [TAB]
	Or [SHIFT-TAB] to
	select a field.
AMIBIOS	
Version: R1.07	
Build Date: 03/09/07	Use [+] or [-] to
	configure system time
Processor	
Type : AMD Turion™ 64 X2 Mobile Technology T	
Speed :1600MHz	
System Memory	
Size : 960MB	←→ Select Screen
	↑↓ Select Item
	+- Change Field
System Time [19:14:50]	Tab Select Field
System Date [Thu 03/21/2007]	F1 General Help
	F10 Save and Exit
	ESC Exit
V02.59 ©Copyright 1985-2005, American Megatrends , Inc.	

Figure 6-1

Advanced Menu

BIOS SETUP UTILITY

Main **Advanced** Boot Security Exit	
Advanced Setting	Automatically to calibrate of battery capacity
Battery Calibration [Enter]	
Start FAN Calibration [Enter]	
Auto DIM function [Disabled]	
Legacy USB Support [Auto]	
	←→ Select Screen
	↑↓ Select Item
	Enter Go to Sub Screen
	F1 General Help
	F10 Save and Exit
	ESC Exit
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Figure 6-2

Boot menu

BIOS SETUP UTILITY

Main Advanced **Boot** Security Exit	
1st Boot Device [CD/DVD: SM-MATSHITA] **2ⁿᵈ Boot Device** [SATA: 3M-ST9100828A] **3rd Boot Device** [NVIDIA Boot Agent]	Specifies the boot sequence from the available devices. A device enclosed in parenthesis has been disabled in the corresponding type menu. ←→ Select Screen ↑↓ Select Item +– Change Option F1 General Help F10 Save and Exit ESC Exit
V02.59 ©Copyright 1985-2005, American Megatrends , Inc.	

Figure 6-3

Security menu

BIOS SETUP UTILITY

Main Advanced Boot **Security** Exit	
Security Settings	Install or Change the password.
Supervisor Password: Not Installed	
User Password: Not Installed	
Change Supervisor Password	
Change User Password	
	←→ Select Screen
	↑↓ Select Item
	Enter Change
	F1 General Help
	F10 Save and Exit
	ESC Exit
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Figure 6-4

Exit menu

BIOS SETUP UTILITY

Main Advanced Boot Security **Exit**

Exit Options	Exit system setup
Save Changes and Exit	after saving the changes.
Discard changes and Exit	
Discard Changes	F10 key can be used
	for this operation.
Load Optimal Defaults	
	←→ Select Screen
	↑↓ Select Item
	Enter Go To Sub Screen
	F1 General Help
	F10 Save and Exit
	ESC Exit

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Figure 6-5

Change User Password

With a User password, you can enter the Setup Utility and change or remove the User password, but you cannot enter the Setup Utility and change or remove the Supervisor password, nor enable diskette access if it has been disabled.

Change Supervisor Password

A supervisor password must be set before a lower-level user password can be set. After selecting **Change Supervisor Password**, press **Enter**. You will be prompted for the new password, and then again to verify it. Type in 6 or fewer keystrokes. If you make an error, press **Esc** to start over.

Resetting the CMOS to Default Settings

The main page provides the system parameters for you to reset the CMOS to default settings. After you enter this page, select the Load Optimal Defaults:

```
              Load Optimal Defaults?

         [OK]            [Cancel]
```

Select [OK] to reset the CMOS to default settings.

Exiting and Saving

Save Settings and Exit	Select this option to save changes to the field values, and restart the computer using the new values. (Pressing F10 from any of the menu screens also allows you to save settings and exit.)
Exit Without Saving	Select this option to discard any changes you have made to the field values, and restart the computer using the old values.

Appendix A

Frequently Asked Questions

Frequently Asked Questions

Q: *How do I create a recovery disk for my computer?*

A: **A reovery disk is included with the system.**

Q: *How can I purchase accessories for my 2371?*

A: **Shop our online store at www.shopaveratec.com.**

Q: *My computer has a problem. How do I contact technical support?*

A: **A technical support agent can be reached 24 hours a day, 7 days a week by calling 877-462-3462.**

Q: *What information do I need in order to contact tech support?*

A: **A proof of purchase date (receipt) to determine in-warranty status, the model number of the unit, the serial number of the unit, and a description of the issue.**

Q: *Where do I find the model number and serial number of my computer?*

A: **Both can be located on a sticker on the bottom of the unit.**

Q: *What is the Averatec warranty?*

A: **The computer is under warranty for 1 year beginning on the date of purchase. The battery is covered under warranty for 6 months beginning on the date of purchase.**

Q: *What if I want to get my computer serviced by a local dealer instead of sending it in to the Averatec authorized facility?*

A: Any work done by a non-Averatec authorized facility will result in voiding the Averatec 1-year manufacturer's warranty. Any subsequent repairs done at the Averatec repair facility would be subject to out-of-warranty charges.

Q: *What are the differences between the 2370 and 2371 computers?*

A: The 2371 unit is basically the same computer, save for some upgraded components. The hard drive is bigger in the 2371 (at 120GB vs. 100GB in the 2370), the dual core processor is faster in the 2371 (AMD Turion TL- 52 vs. AMD Turion TL-50 in the 2370), and the unit comes bundled with the Windows Vista operating system, while the 2370 came with Windows XP.

Q: *What are the differences between an AMD and Intel processor?*

A: Both are x86 dual core processors, and both are 64bit compatible. Fundamentally, there is no real difference between the two. The Averatec 2371 has the AMD Turion TL-52 processor as its only option.

Q: *What are the differences between Windows Vista™ and Windows XP?*

A: Vista offers a number of improved features over Windows XP. A partial listing of these features include a new look for the user interface – Windows Aero offers a cleaner transparent look and feel with impressive quality, not to mention Live Icons and the new Windows Flip 3D feature. Vista also offers a new media player as well as an improved search feature where you can search for files and applications from almost anywhere in the system. Security is also improved; Vista includes Parental Controls, User Account Controls as well as two different firewall protection schemes.

Appendix B

Statements

Statements

Federal Communications Commission Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.

2. Increase the separation between the equipment and the receiver.

3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

4. Consult the dealer or an experienced radio/TV technician for help.

Shielded interconnect cables and shielded AC power cable must be employed with this equipment to insure compliance with the pertinent RF emission limits governing this device. Changes or modifications not expressly approved by the system's manufacturer could void the user's authority to operate the equipment.

Declaration of Conformity

This device complies with part 15 of the FCC rules. Operation is subject to the following conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

About The Modem

This equipment complies with Part 68 of FCC rules. On the bottom of this equipment is a label that contains, among other information, the FCC registration number and ringer equivalence number (REN) for

this equipment. If requested, this information must be provided to the telephone company.

The modem jack of this equipment complies with Sub-part F of Part 68 of FCC rules.

The REN is used to determine the quantity of devices that may be connected to the telephone line. Excessive RENs on the telephone line may result in the devices not ringing in response to an incoming call. In most, but not all areas, the sum of the RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to the line, as determined by the total RENs contact the telephone company to determine the maximum REN for the calling areas.

If the terminal equipment causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. However, if advance notice isn't practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a compliant with the FCC if you believe it necessary.

The telephone company may mark changes in its facilities, equipment, operations, or procedures that could affect the operation of the equipment. If this happens, the telephone company will provide advance notice in order for you to make the necessary modifications in order to maintain uninterrupted service.

If trouble is experienced with this equipment, please contact the manufacturer for repair and (or) warranty information. If the trouble is causing harm to the telephone network, the telephone company may request you remove the equipment from the network until the problem is resolved.

The equipment cannot be used on public coin service provided by the telephone company. Connection to Party Line Service is subject to state tariffs. (Contact the state public utility commission, public service commission or corporation commission for information.)

The Telephone Consumer Protection Act of 1991 makes it unlawful for any person to use a computer or other electronic device, including fax machines, to send any message unless such message clearly contains in a margin at the top or bottom of each transmitted page or on the first page of the transmission, the date and time it is sent and an identification of the business or other entity, or other individual sending the message and the telephone number of the sending machine or such business, other entity, or individual. (The telephone

number provided may not be a 900 number or any other number for which charges exceed local or long-distance transmission charges.) To program this information, refer to the manual of the communication software.

Canadian Department of Communications

This class B digital apparatus meets all requirements of the Canadian Interference-causing Equipment Regulations.

About the Modem

The Industry Canada label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective, operational and safety requirements. The department does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company.

The equipment must also be installed using an acceptable method of connection. In some cases, the company's inside wiring associated with a single line (individual service) may be extended by means of a certified connector assembly (telephone extension cord). The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

CAUTION: Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

"The Load Number (LN) assigned to each terminal device denotes the percentage of the total load to be connected to a telephone loop which

is used by the device. To prevent overloading, the termination on a loop may consist of any combination of devise subject only to the requirement that the total of the Load Numbers of all the devices does not exceed 100."

Battery Disposal

THIS PRODUCT CONTAINS A LITHIUM-ION OR NICKEL-METAL HYDRIDE BATTERY. IT MUST BE DISPOSED OF PROPERLY. CONTACT LOCAL ENVIRONMENTAL AGENCIES FOR INFORMATION ON RECYCLING AND DISPOSAL PLANS IN YOUR AREA.

CAUTION FOR ADAPTER

THIS NOTEBOOK COMPUTER IS FOR USE WITH MODEL NO. SA20069-01.

BATTERY CAUTION

DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED.

REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE RECOMMENDED BY THE MANUFACTURER. DISPOSE OF USED BATTERIES ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.

CLASS 1 LASER PRODUCT

LASERSCHUTZKLASSE 1 PRODUKT TO EN60825

CAUTION: THIS APPLIANCE CONTAINS A LASER SYSTEM AND IS CLASSIFIED AS A "CLASS 1 LASER PRODUCT." TO USE THIS MODEL PROPERLY, READ THE INSTRUCTION MANUAL CAREFULLY AND KEEP THIS MANUAL FOR FUTURE REFERENCE. IN CASE OF ANY TROUBLE WITH THIS MODEL, PLEASE CONTACT YOUR NEAREST "AUTHORIZED SERVICE STATION." TO PREVENT DIRECT EXPOSURE TO THE LASER BEAM, DO NOT TRY TO OPEN THIS ENCLOSURE.

LEAD WARNING

Handling the cord on this product may expose you to lead, a chemical known to the State of California to cause birth defects or other reproductive harm. *Wash hands after handling.*